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1) Analyze and sketch a graph of the function. Label any intercepts, relative extrema, points of inflection, and asymptotes.

$$y = \frac{x^2 - 6x + 12}{x - 4}$$

2) Briefly discuss the Extreme Value Theorem.

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Course	AΡ	Calcu	lus BC	1 Oniz: 15 l	Instructor	D. Shubleka –

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Name	No calculators. I	Present neatly	. Score_	

1) Analyze and sketch a graph of the function. Label any intercepts, relative extrema, points of inflection, and asymptotes.

$$y = \frac{-x^2 - 4x - 7}{x + 3}$$

2) Define the following terms: inflection point, local maximum, critical number, absolute minimum, and stationary point.

Your work: